

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
 Data File : BE094991.D
 Acq On : 14 Dec 2017 23:44
 Operator : SJ/JU
 Sample : I6876-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

Quant Time: Dec 15 08:13:53 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7486	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16916	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9216	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	20611	0.40	ng	0.00
27) Chrysene-d12	21.87	240	25246	0.40	ng	0.00
34) Perylene-d12	24.54	264	19227	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	1783	0.15	ng	0.00
5) Phenol-d6	7.59	99	1678	0.10	ng	0.00
8) Nitrobenzene-d5	9.65	82	5355	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	8943	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1056	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	16487	0.40	ng	0.00
25) Fluoranthene-d10	19.75	212	95243	0.36	ng	0.00
29) Terphenyl-d14	20.31	244	21794	0.46	ng	0.00

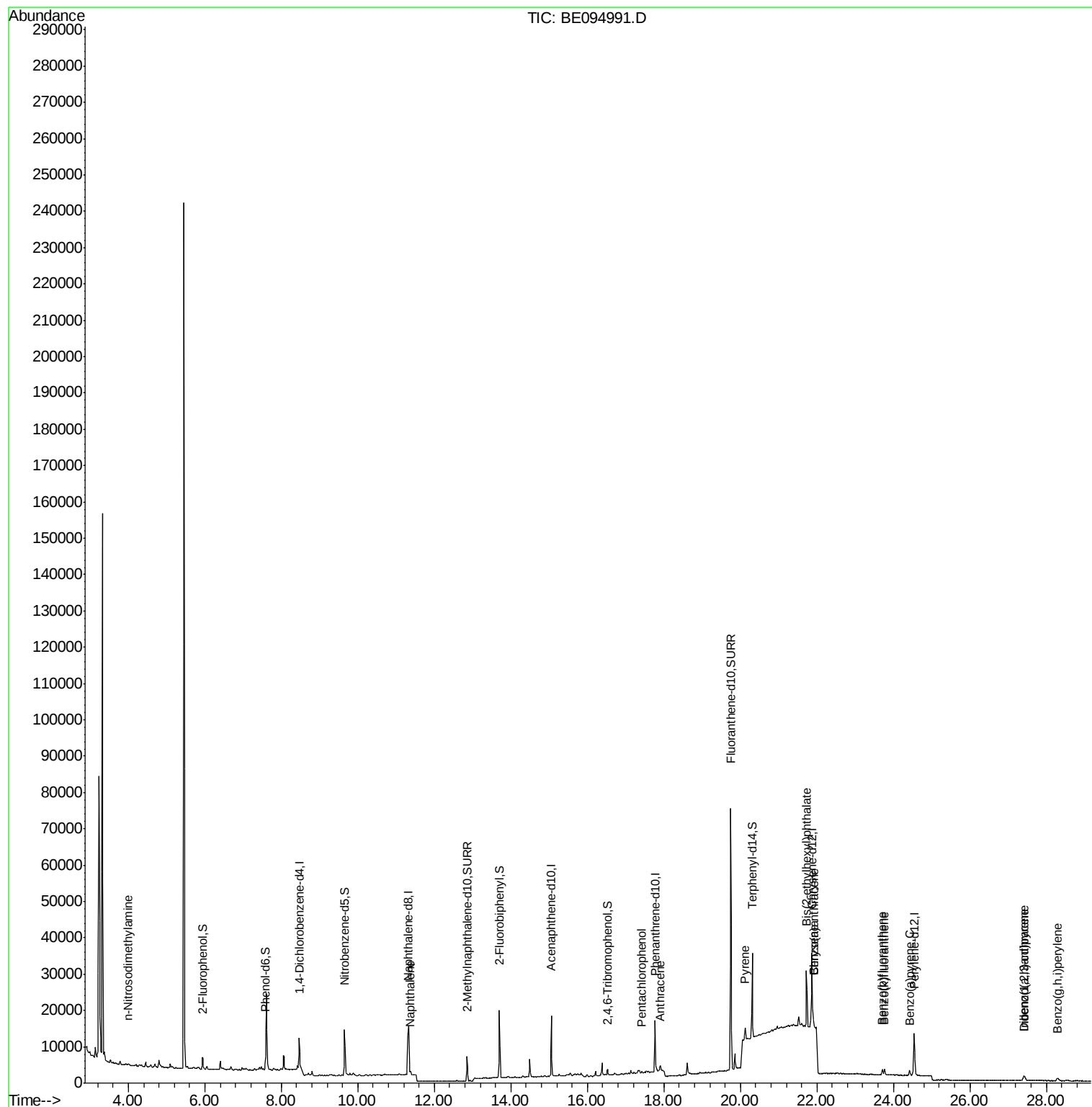
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.99	42	233	0.027	ng	# 1
9) Naphthalene	11.38	128	4681	0.024	ng	# 86
22) Pentachlorophenol	17.41	266	149	0.128	ng	# 93
24) Anthracene	17.91	178	4214	0.064	ng	# 80
28) Pyrene	20.13	202	3799	0.044	ng	# 97
30) Benzo(a)anthracene	21.92	228	5479	0.074	ng	# 92
31) Chrysene	21.92	228	5023	0.060	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.73	149	23302	0.248	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.40	276	2142	0.032	ng	# 95
35) Benzo(b)fluoranthene	23.71	252	2507	0.036	ng	# 58
36) Benzo(k)fluoranthene	23.77	252	2137	0.030	ng	# 28
37) Benzo(a)pyrene	24.42	252	2040	0.033	ng	# 28
38) Dibenzo(a,h)anthracene	27.43	278	1652	0.028	ng	# 50
39) Benzo(g,h,i)perylene	28.29	276	1878	0.032	ng	# 61

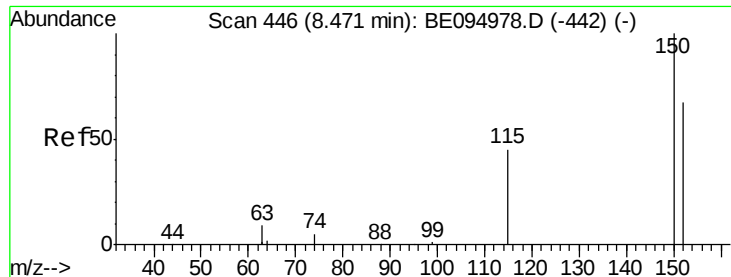
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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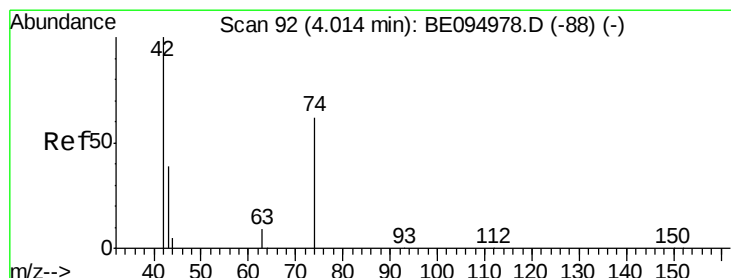
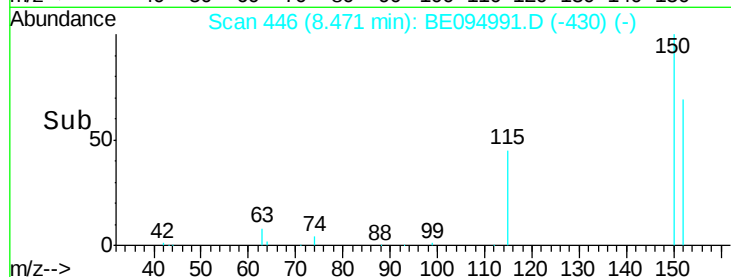
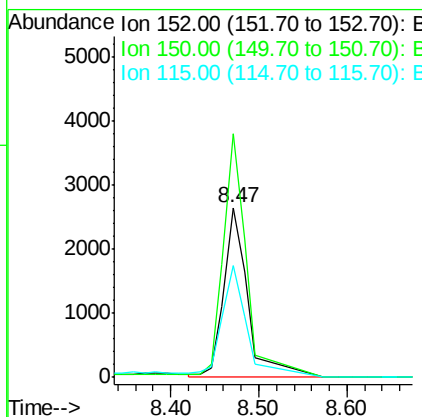
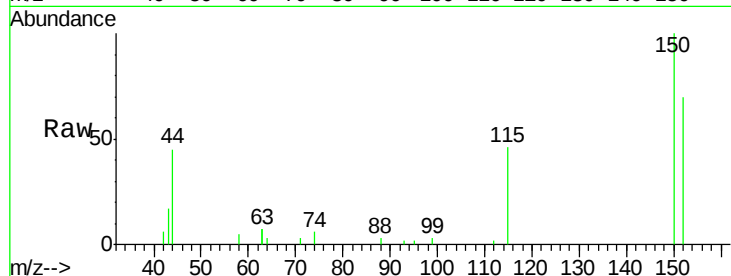




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.47 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

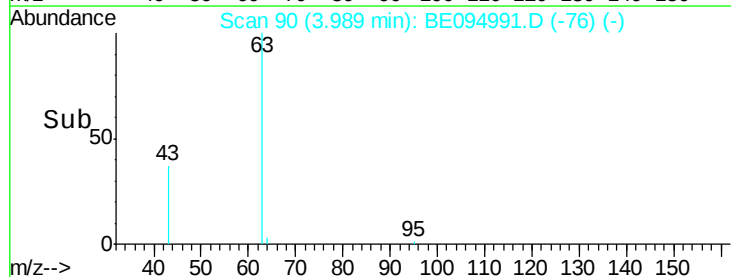
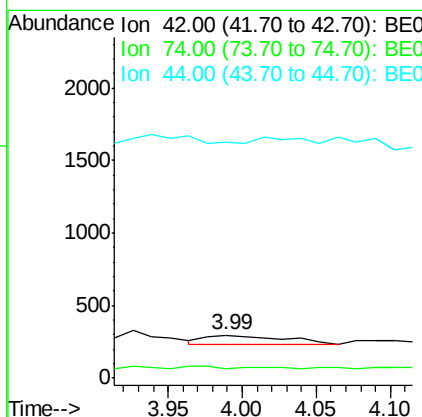
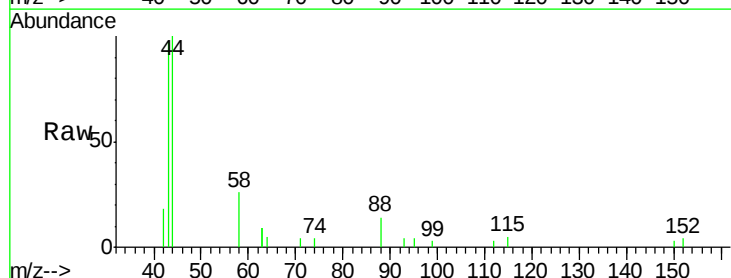
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

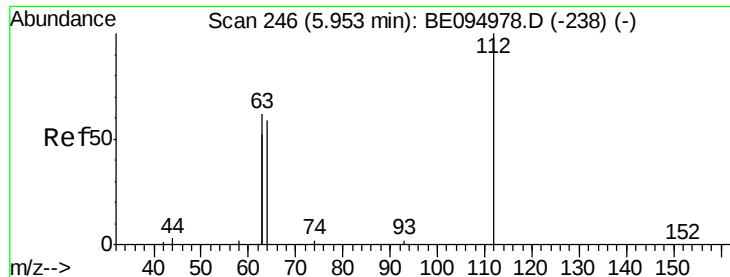
Tgt Ion: 152 Resp: 7486
 Ion Ratio Lower Upper
 152 100
 150 143.7 117.2 175.8
 115 66.1 57.0 85.6



#3
 n-Nitrosodimethylamine
 Concen: 0.027 ng
 RT: 3.99 min Scan# 90
 Delta R.T. -0.02 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

Tgt Ion: 42 Resp: 233
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 0.0 12.0 18.0#





#4

2-Fluorophenol

Concen: 0.153 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

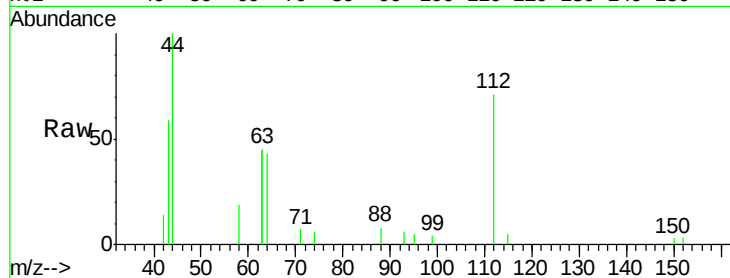
Tgt Ion: 112 Resp: 1783

Ion Ratio Lower Upper

112 100

64 74.4 60.1 90.1

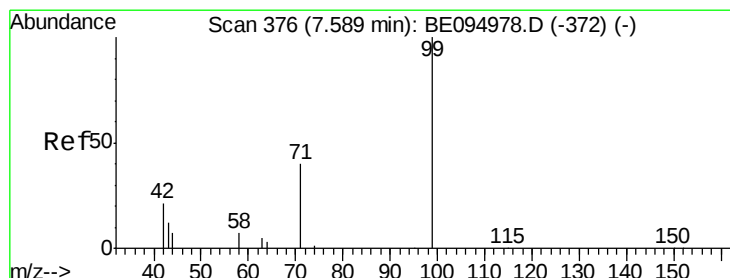
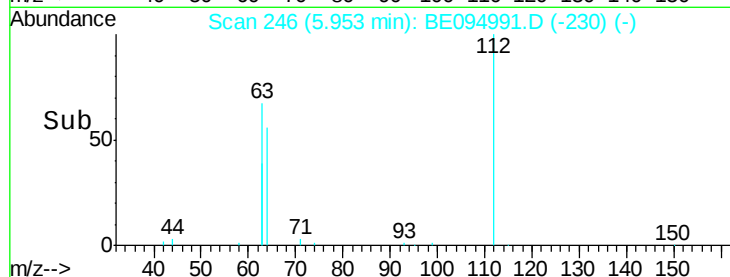
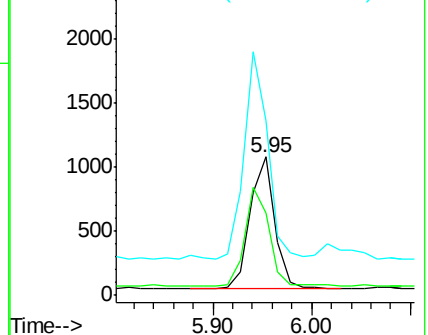
63 150.4 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.097 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

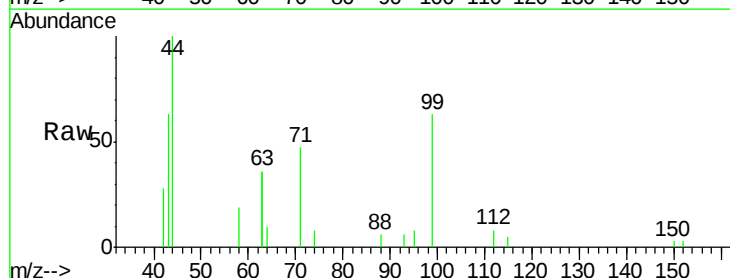
Tgt Ion: 99 Resp: 1678

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

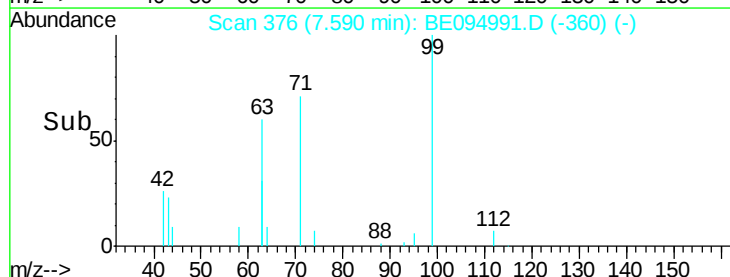
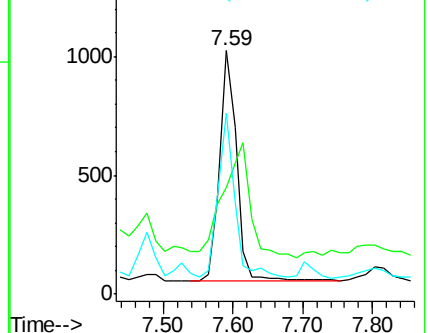
71 68.4 28.4 42.6#

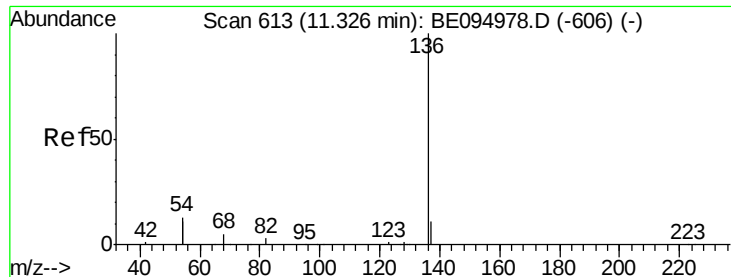


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

Tgt Ion: 136 Resp: 16916

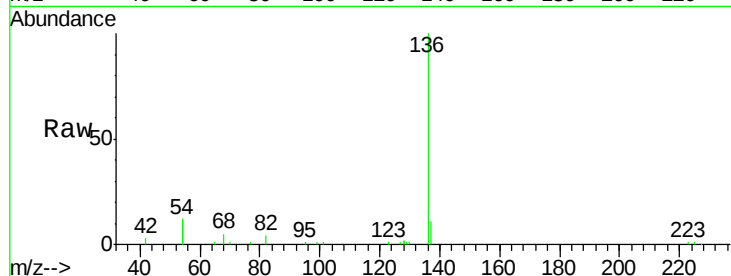
Ion Ratio Lower Upper

136 100

137 11.0 9.5 14.3

54 23.7 29.1 43.7#

68 5.2 6.2 9.2#

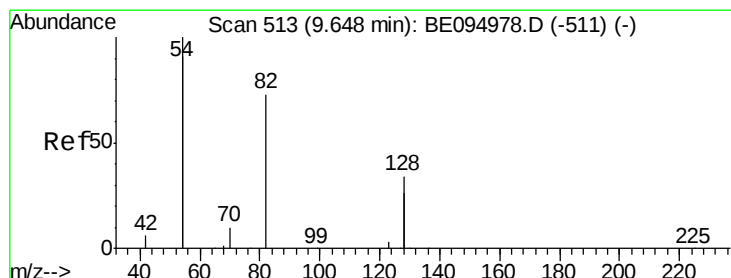
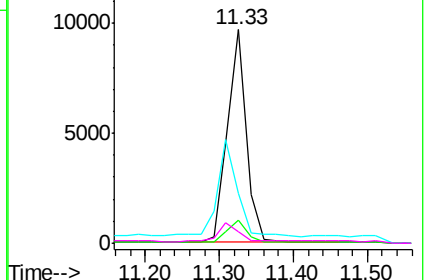
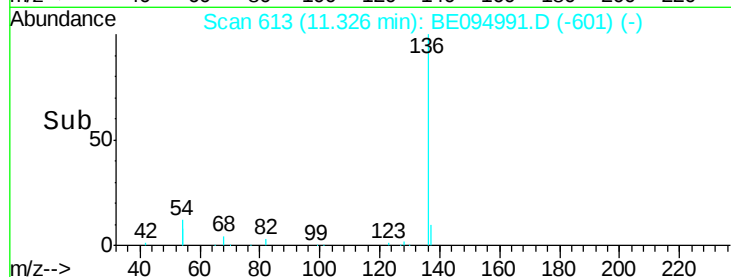


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.386 ng

RT: 9.65 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

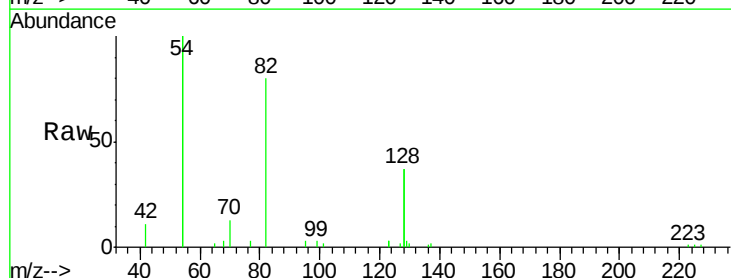
Tgt Ion: 82 Resp: 5355

Ion Ratio Lower Upper

82 100

128 92.9 150.0 225.0#

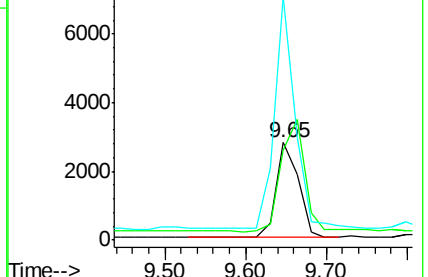
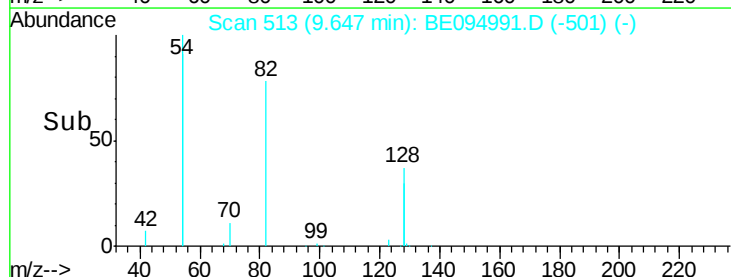
54 250.4 154.2 231.4#

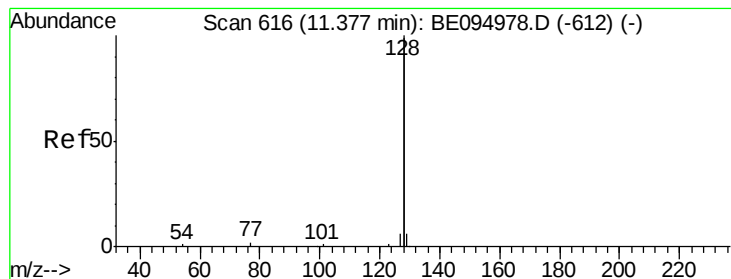


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.024 ng

RT: 11.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

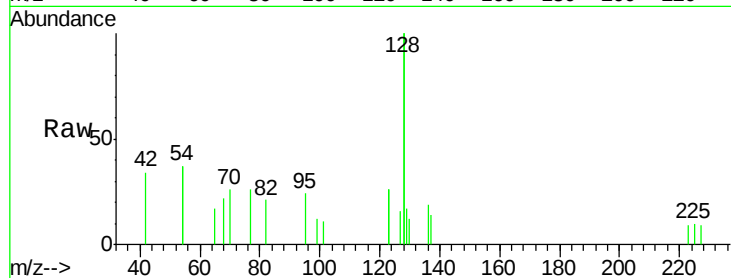
Tgt Ion:128 Resp: 4681

Ion Ratio Lower Upper

128 100

129 8.3 2.6 3.8#

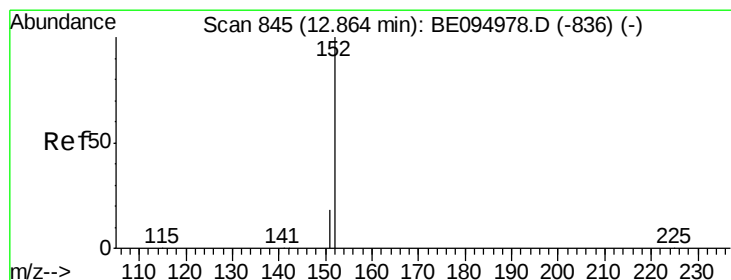
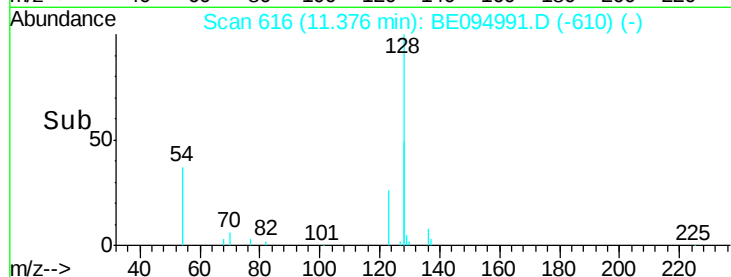
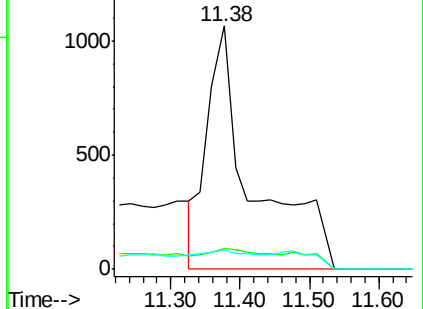
127 7.9 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094991.D

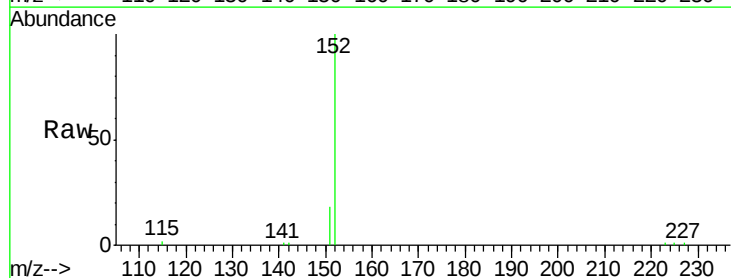
Acq: 14 Dec 2017 23:44

Tgt Ion:152 Resp: 8943

Ion Ratio Lower Upper

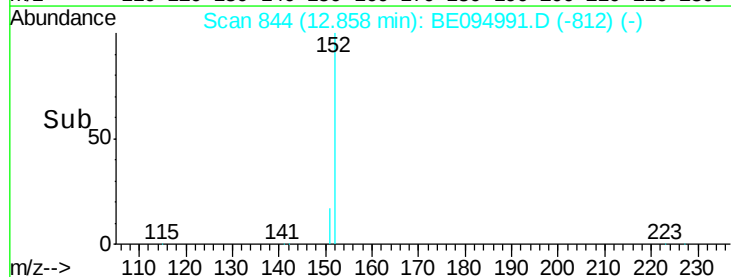
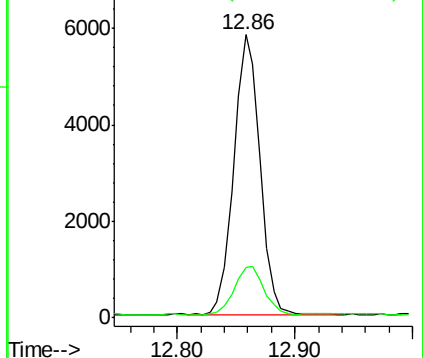
152 100

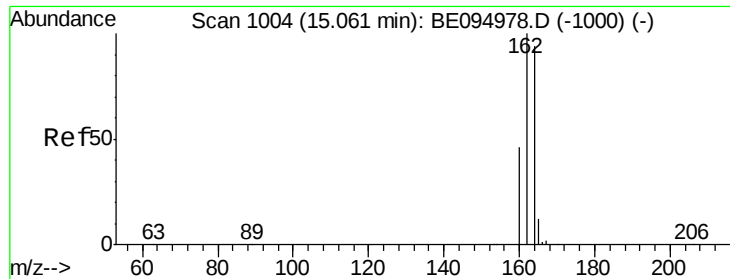
151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

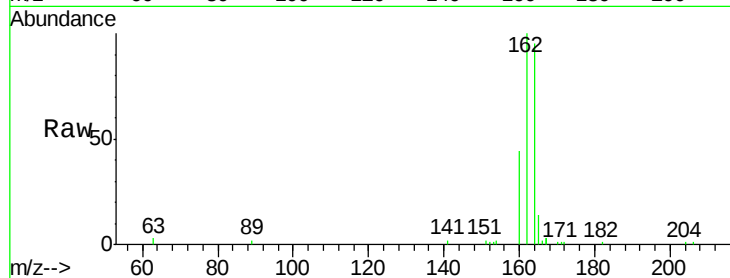
Tgt Ion:164 Resp: 9216

Ion Ratio Lower Upper

164 100

162 105.7 83.1 124.7

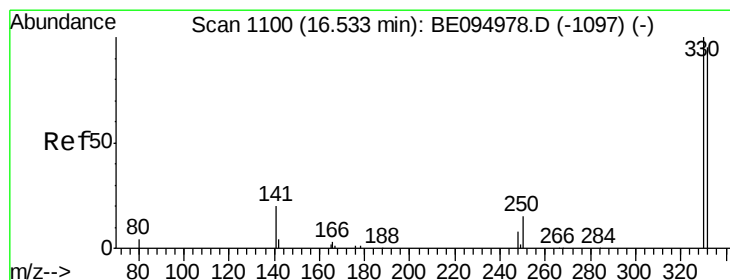
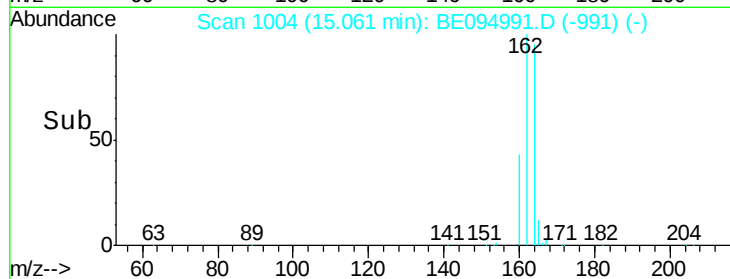
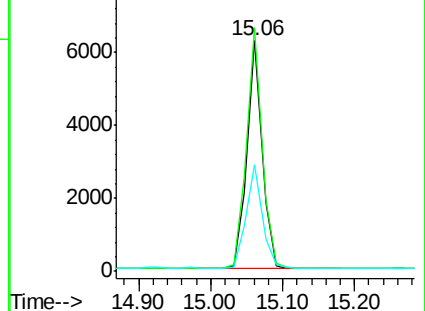
160 46.5 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.493 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

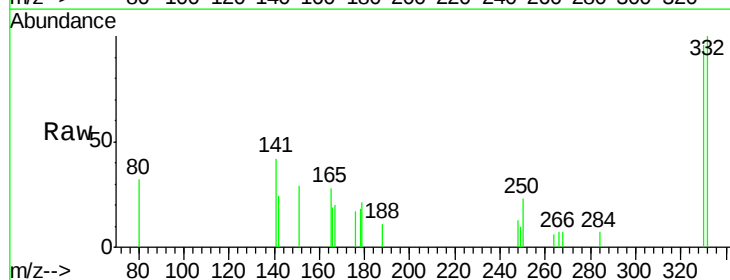
Tgt Ion:330 Resp: 1056

Ion Ratio Lower Upper

330 100

332 100.3 152.7 229.1#

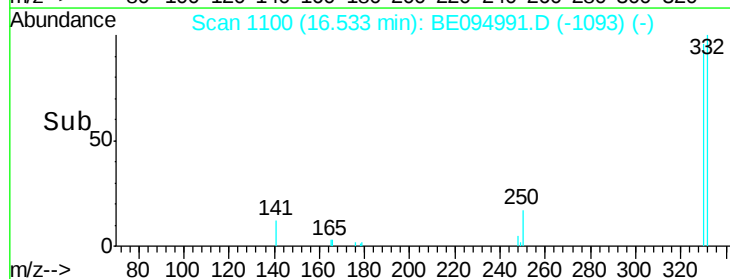
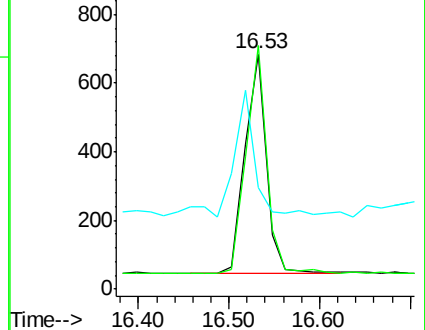
141 47.0 33.7 50.5

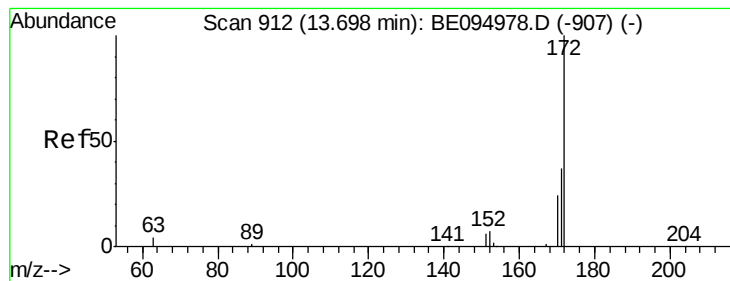


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.404 ng

RT: 13.70 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

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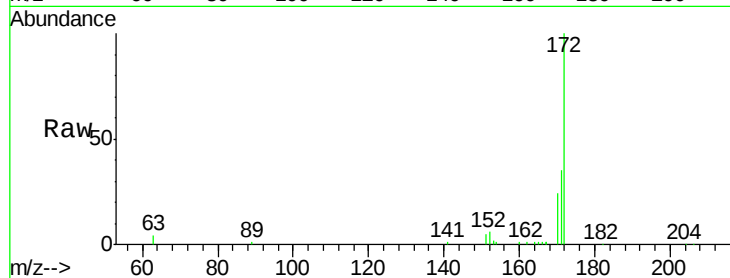
Tgt Ion:172 Resp: 16487

Ion Ratio Lower Upper

172 100

171 35.2 29.9 44.9

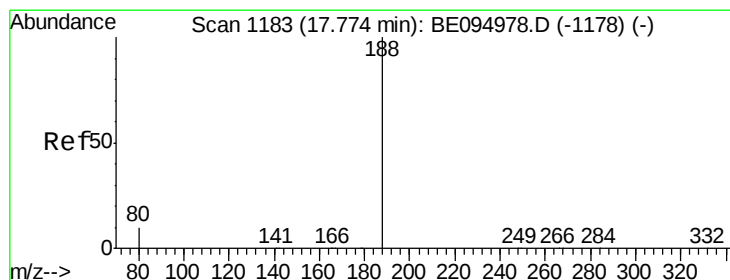
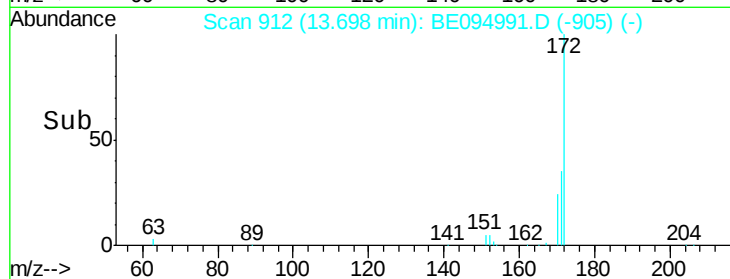
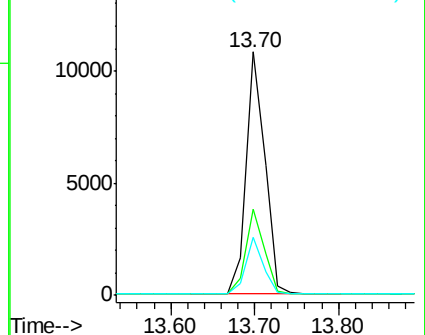
170 24.0 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

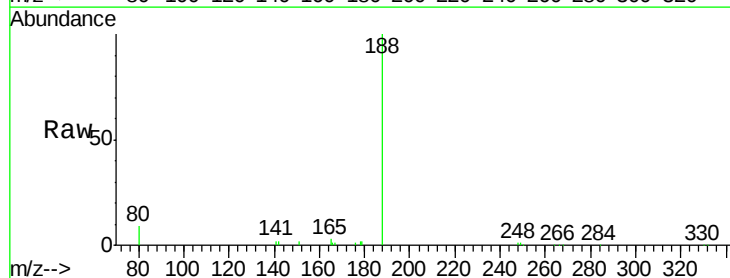
Tgt Ion:188 Resp: 20611

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

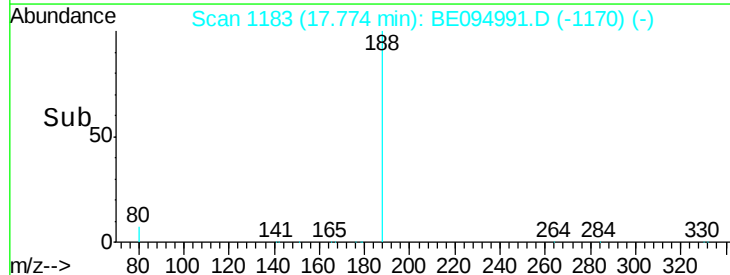
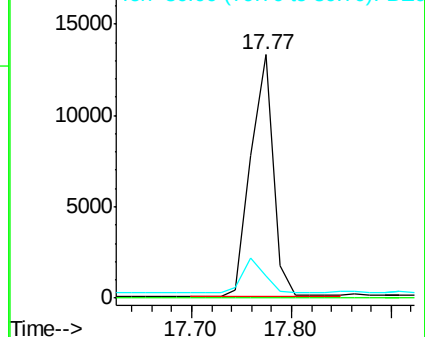
80 9.1 3.6 5.4#

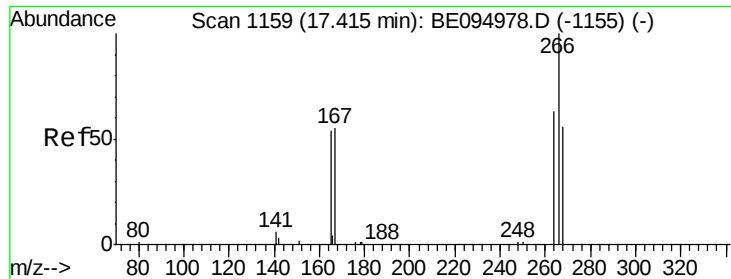


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

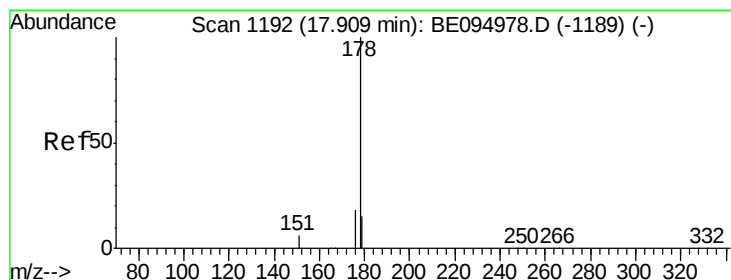
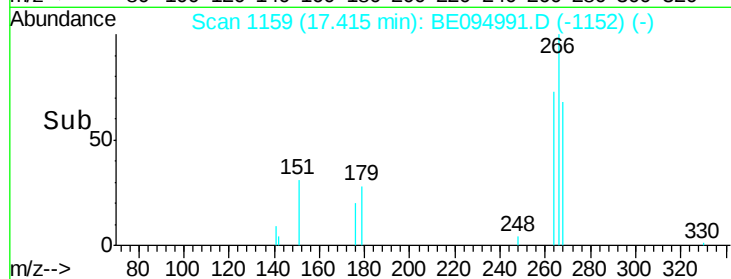
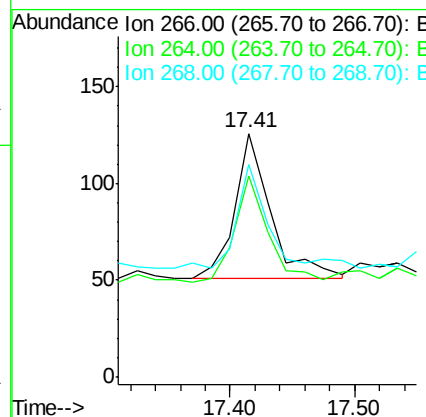
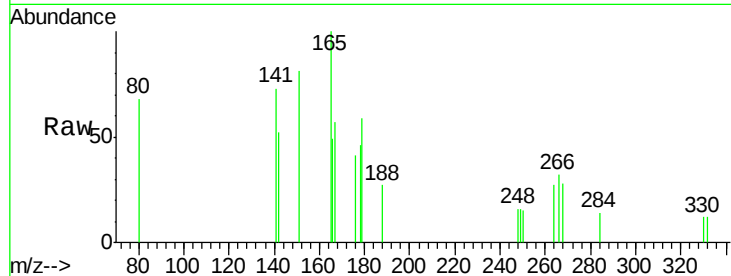




#22
 Pentachlorophenol
 Concen: 0.128 ng
 RT: 17.41 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

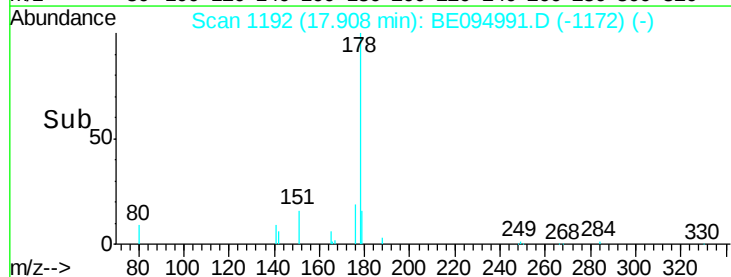
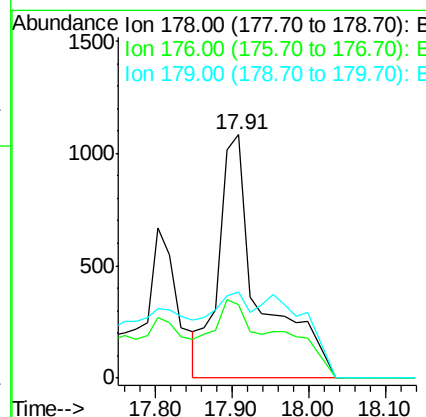
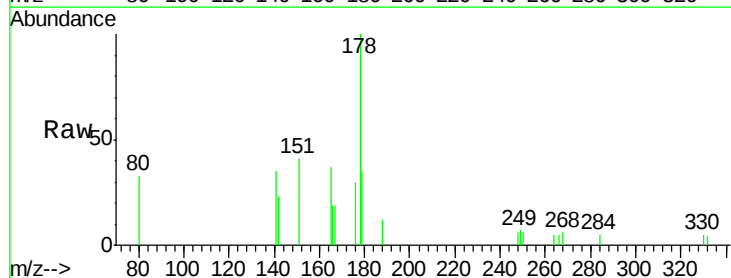
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

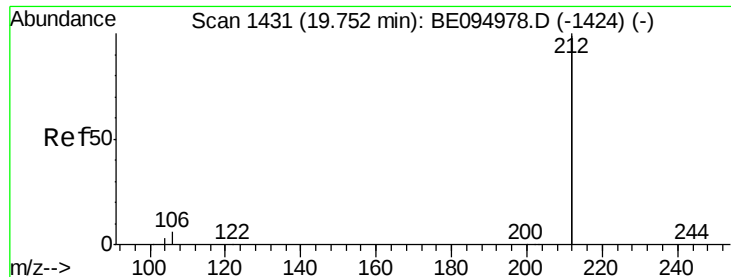
Tgt Ion: 266 Resp: 149
 Ion Ratio Lower Upper
 266 100
 264 82.5 72.5 108.7
 268 87.3 73.8 110.6



#24
 Anthracene
 Concen: 0.064 ng
 RT: 17.91 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

Tgt Ion: 178 Resp: 4214
 Ion Ratio Lower Upper
 178 100
 176 9.8 12.8 19.2#
 179 5.7 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

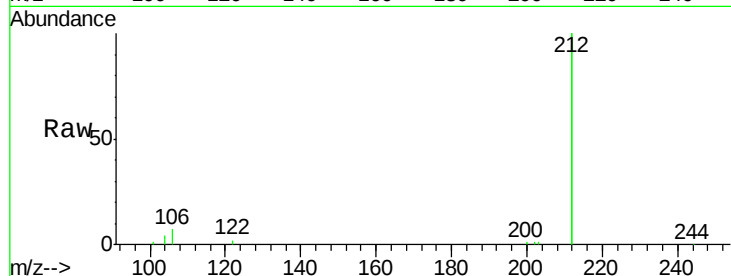
Tgt Ion:212 Resp: 95243

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

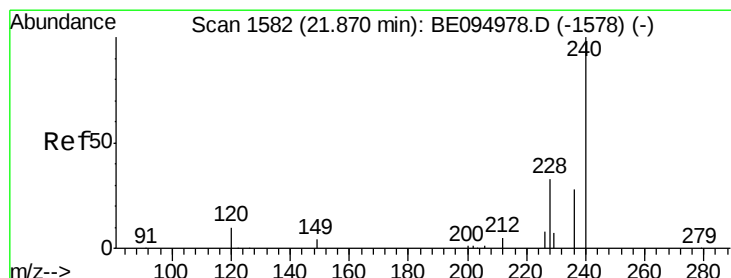
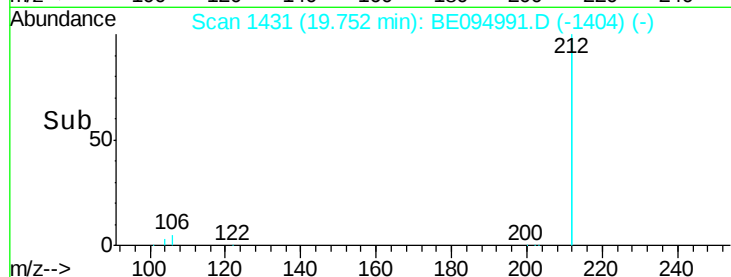
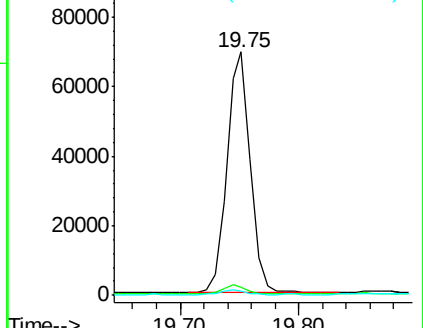
104 2.0 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

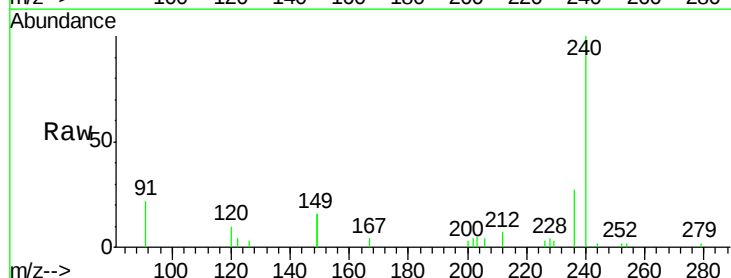
Tgt Ion:240 Resp: 25246

Ion Ratio Lower Upper

240 100

120 10.0 5.5 8.3#

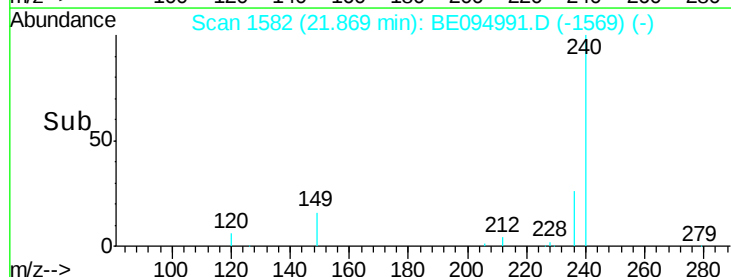
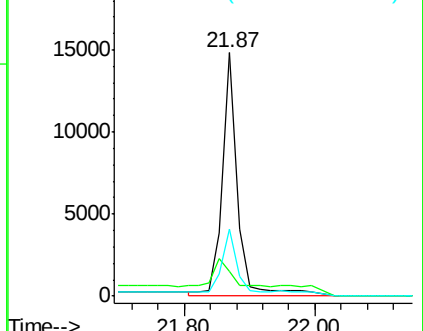
236 27.4 20.7 31.1

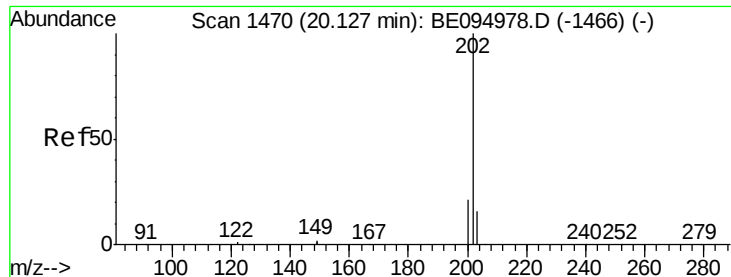


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

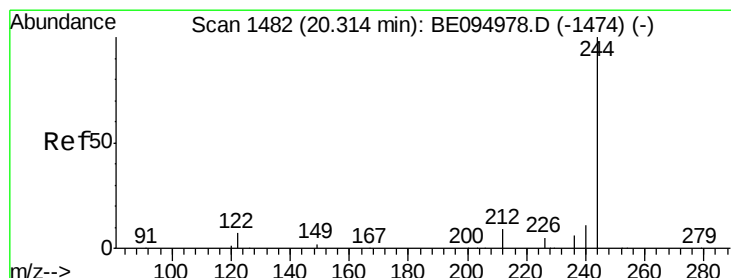
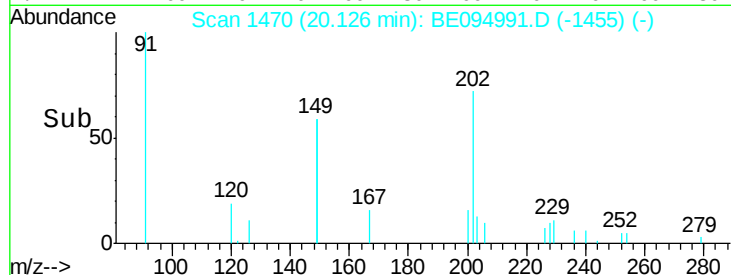
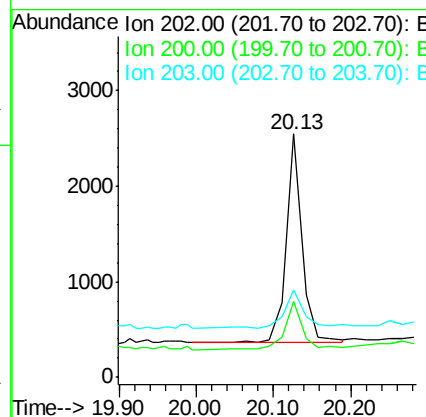
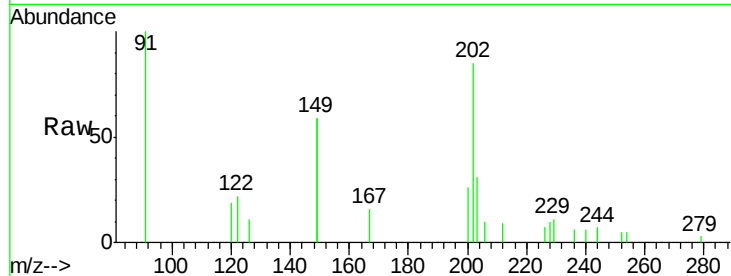




#28
 Pyrene
 Concen: 0.044 ng
 RT: 20.13 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

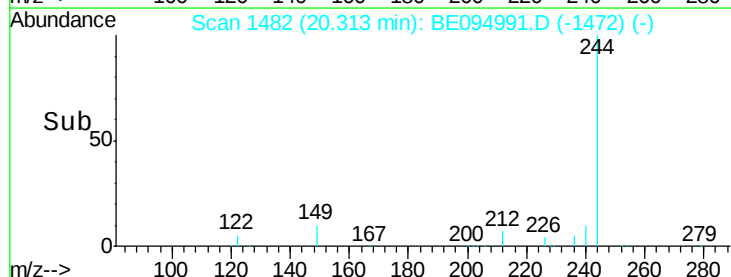
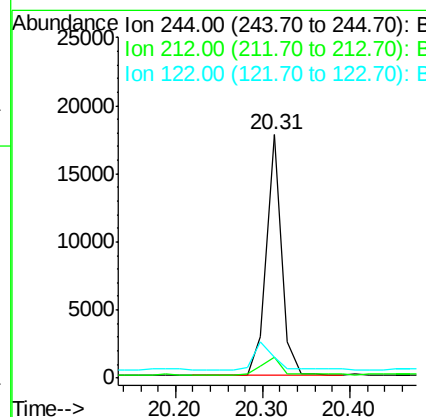
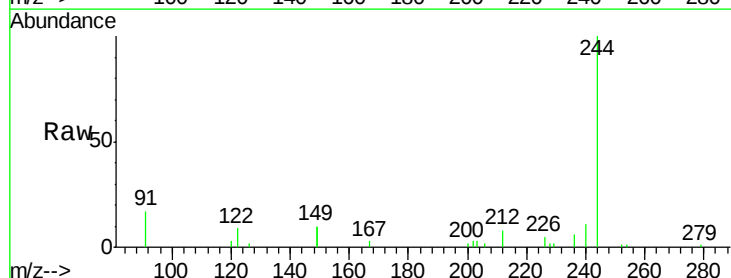
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

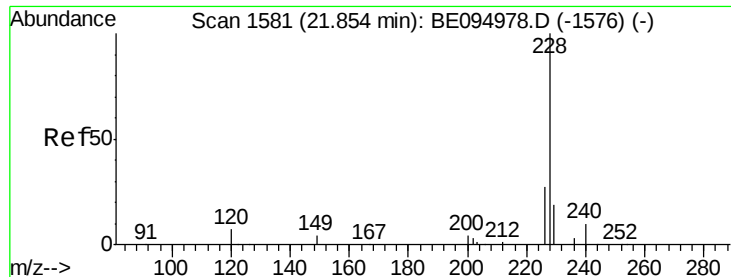
Tgt Ion: 202 Resp: 3799
 Ion Ratio Lower Upper
 202 100
 200 19.0 16.6 25.0
 203 18.1 13.8 20.8



#29
 Terphenyl-d14
 Concen: 0.459 ng
 RT: 20.31 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

Tgt Ion: 244 Resp: 21794
 Ion Ratio Lower Upper
 244 100
 212 8.5 25.4 38.0#
 122 8.5 8.1 12.1





#30

Benzo(a)anthracene

Concen: 0.074 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.06 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

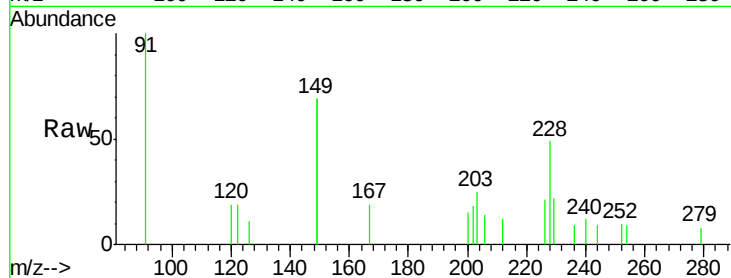
Tgt Ion:228 Resp: 5479

Ion Ratio Lower Upper

228 100

226 43.1 40.0 60.0

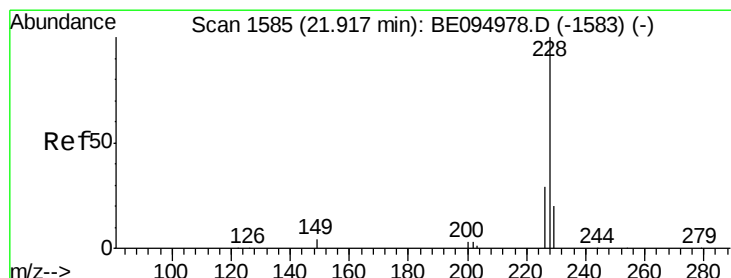
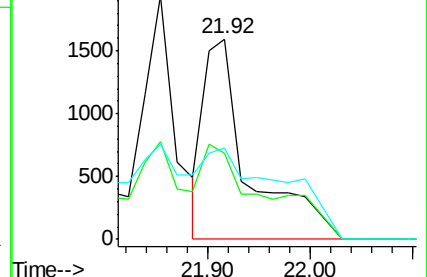
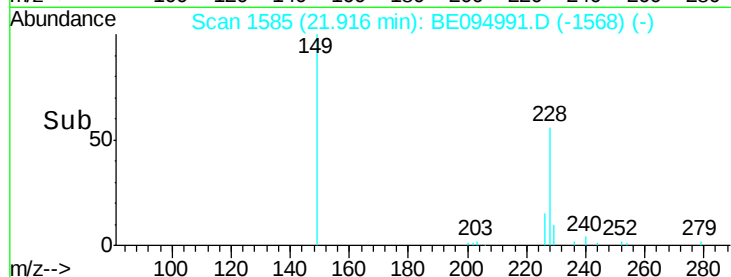
229 45.6 40.0 60.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.060 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

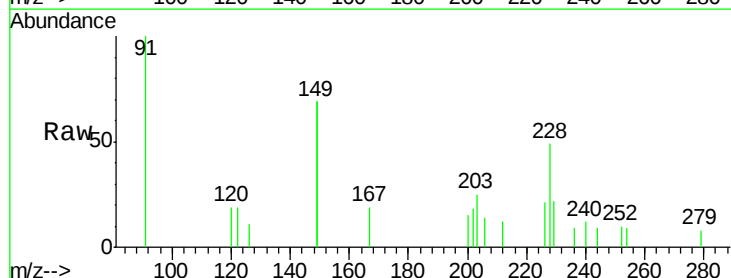
Tgt Ion:228 Resp: 5023

Ion Ratio Lower Upper

228 100

226 43.1 40.0 60.0

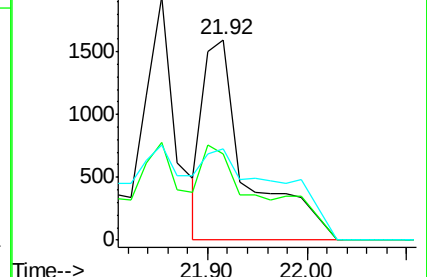
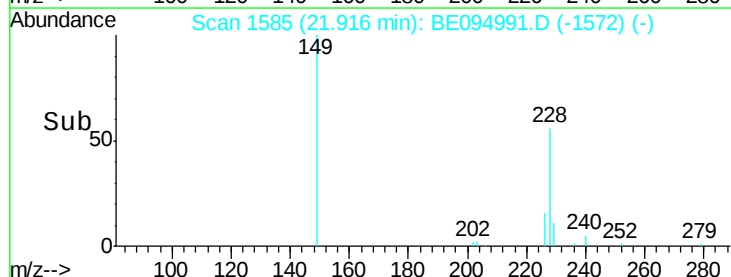
229 45.6 40.0 60.0

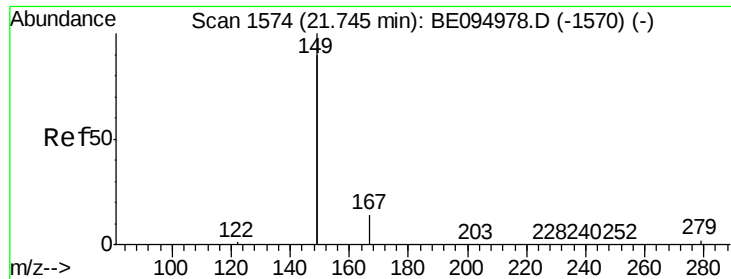


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.248 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

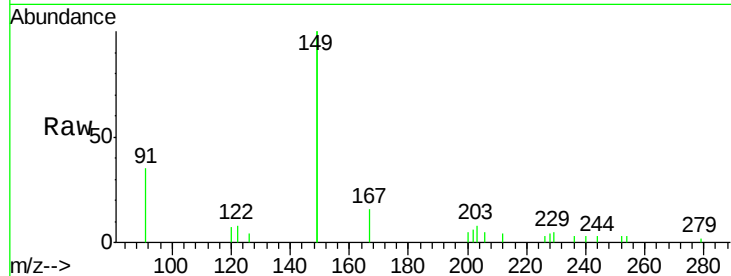
Tgt Ion:149 Resp: 23302

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

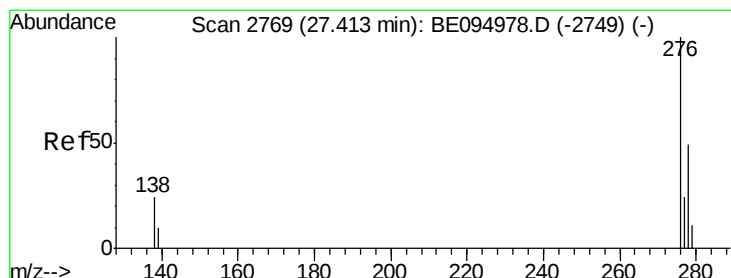
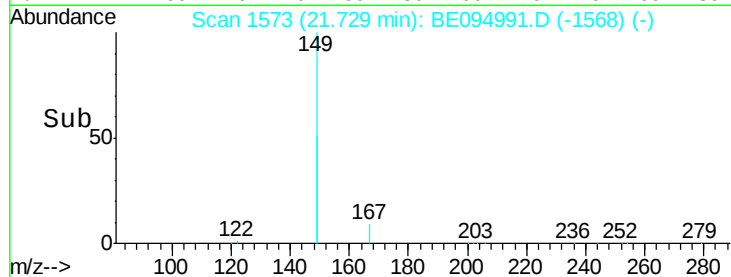
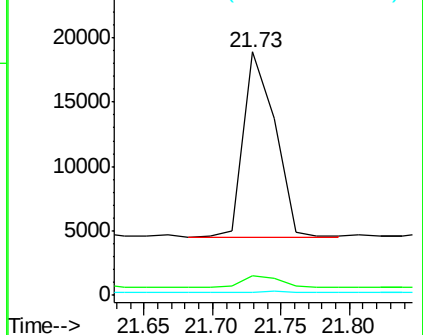
279 1.1 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.032 ng

RT: 27.40 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

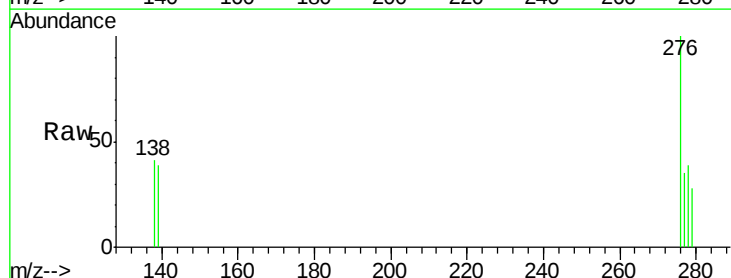
Tgt Ion:276 Resp: 2142

Ion Ratio Lower Upper

276 100

138 32.8 22.5 33.7

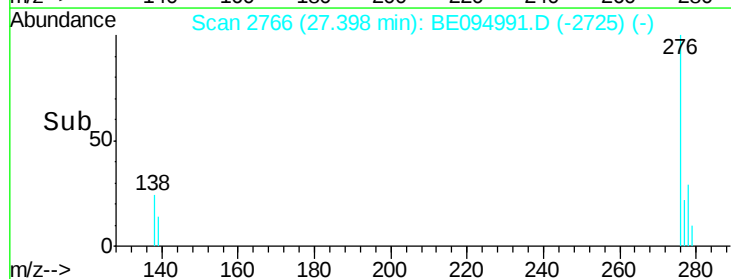
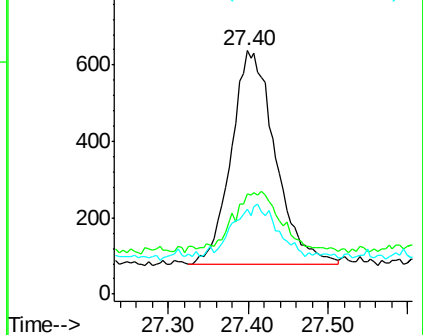
277 24.2 19.9 29.9

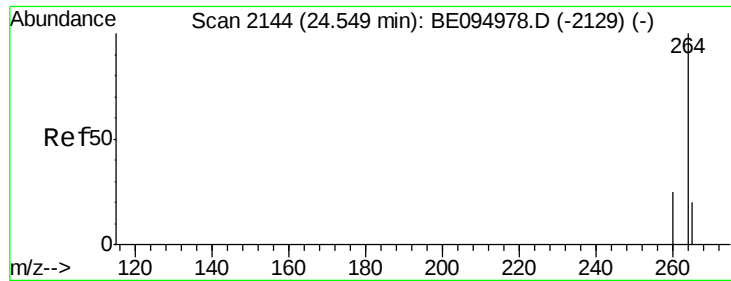


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

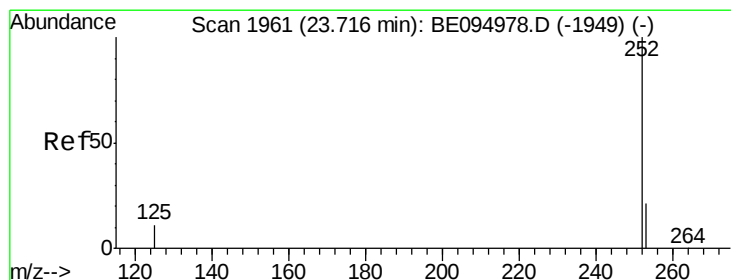
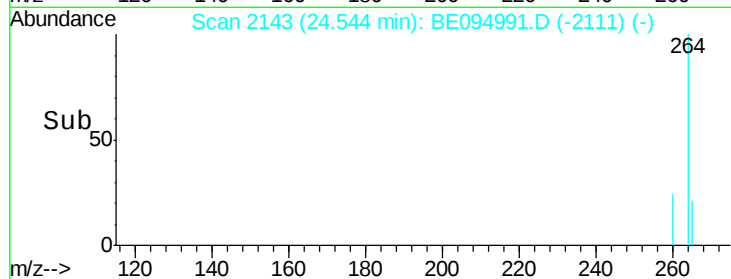
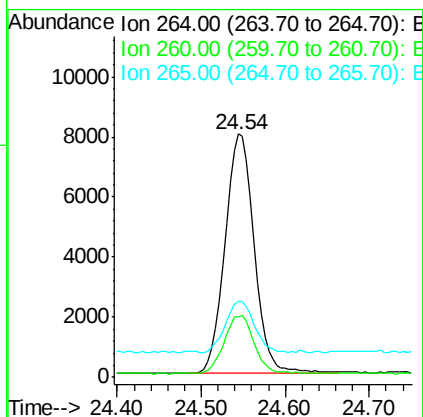
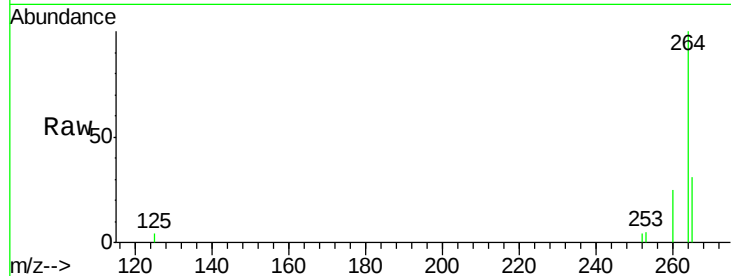




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.54 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

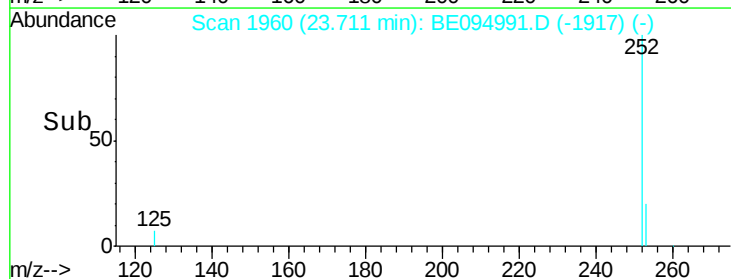
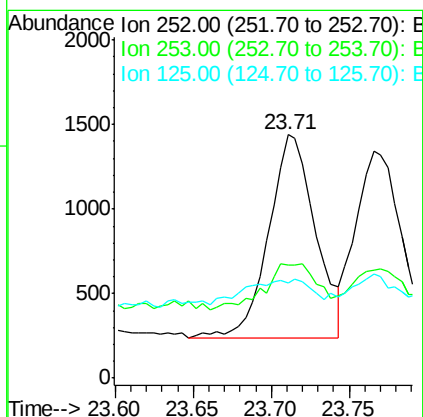
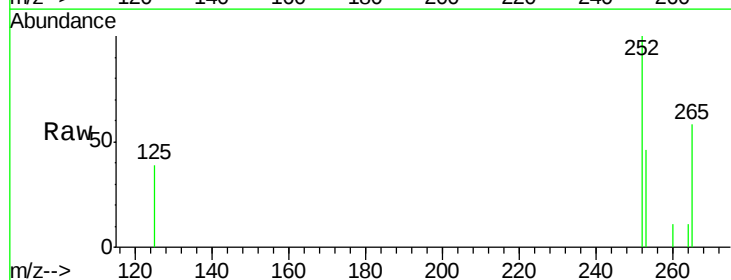
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-01

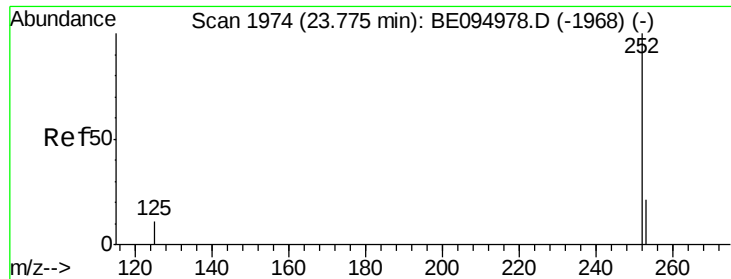
Tgt Ion: 264 Resp: 19227
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 31.2 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.036 ng
 RT: 23.71 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BE094991.D
 Acq: 14 Dec 2017 23:44

Tgt Ion: 252 Resp: 2507
 Ion Ratio Lower Upper
 252 100
 253 46.4 20.0 30.0#
 125 39.2 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.030 ng

RT: 23.77 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

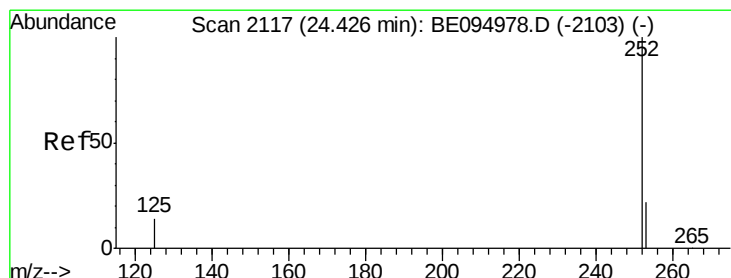
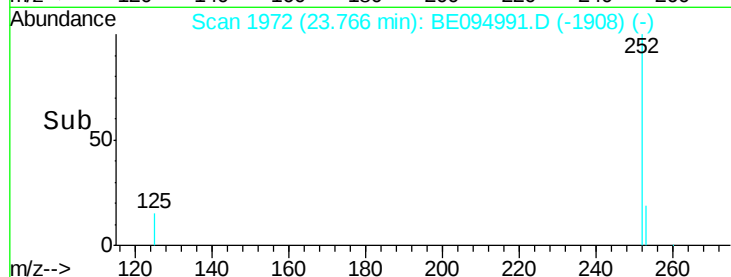
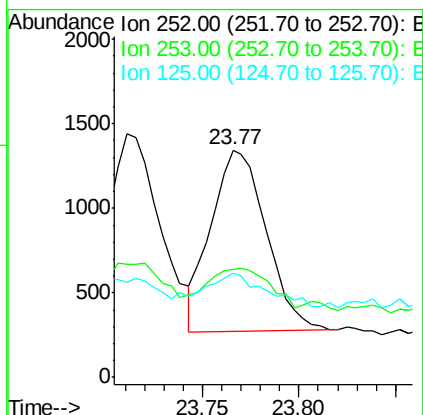
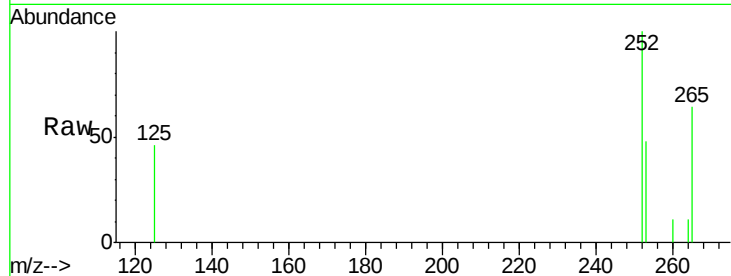
Tgt Ion: 252 Resp: 2137

Ion Ratio Lower Upper

252 100

253 47.7 16.0 24.0#

125 45.6 8.0 12.0#



#37

Benzo(a)pyrene

Concen: 0.033 ng

RT: 24.42 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

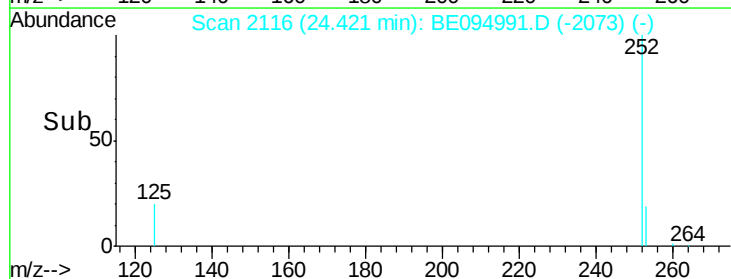
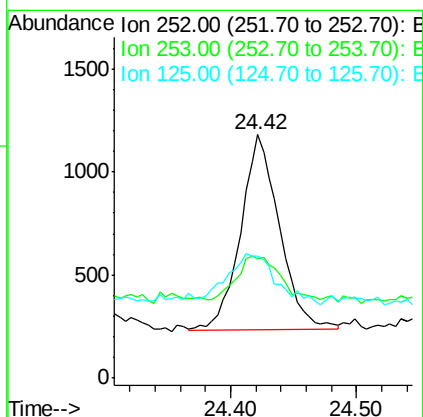
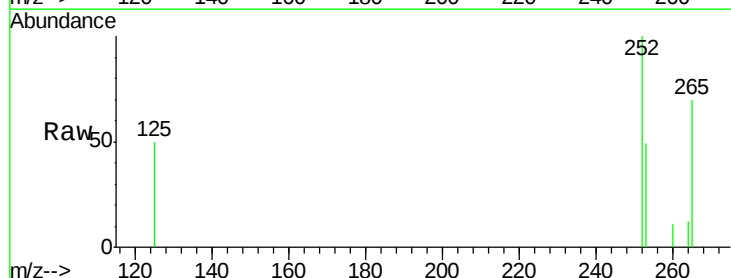
Tgt Ion: 252 Resp: 2040

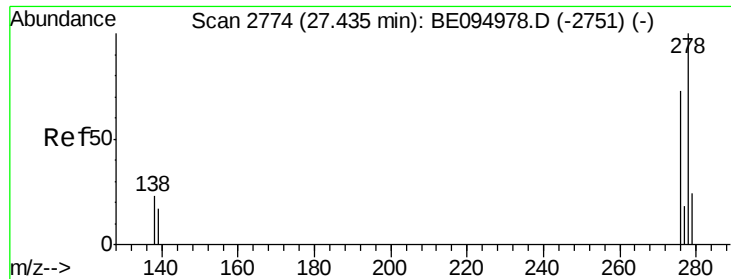
Ion Ratio Lower Upper

252 100

253 49.0 16.0 24.0#

125 50.2 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.028 ng

RT: 27.43 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

Instrument :

BNA_E

ClientSampleId :

YT-MW-01

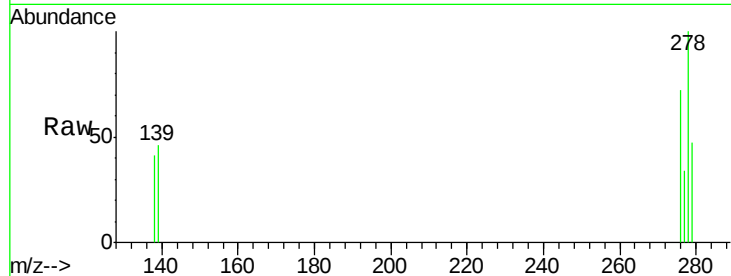
Tgt Ion: 278 Resp: 1652

Ion Ratio Lower Upper

278 100

139 46.4 16.0 24.0#

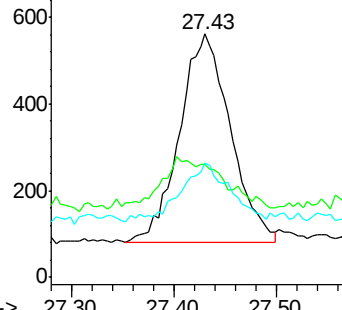
279 46.8 20.0 30.0#



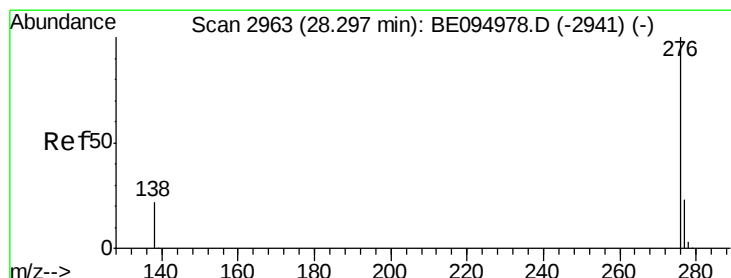
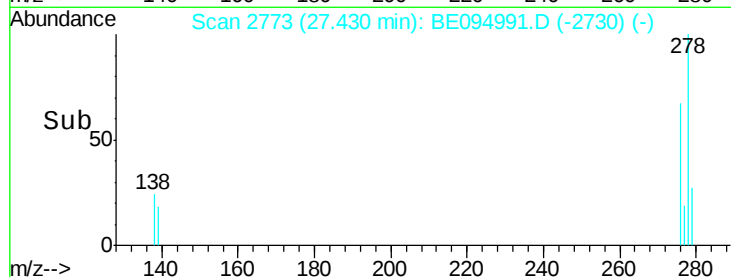
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 27.30 27.40 27.50



#39

Benzo(g,h,i)perylene

Concen: 0.032 ng

RT: 28.29 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BE094991.D

Acq: 14 Dec 2017 23:44

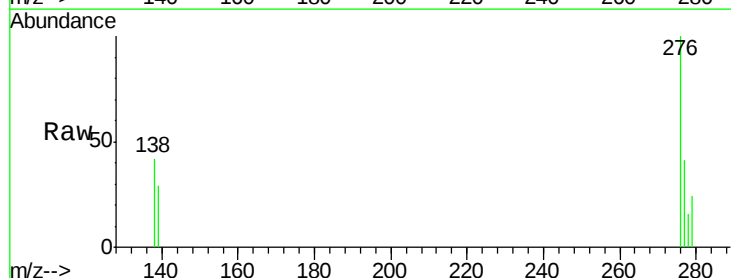
Tgt Ion: 276 Resp: 1878

Ion Ratio Lower Upper

276 100

277 40.9 16.0 24.0#

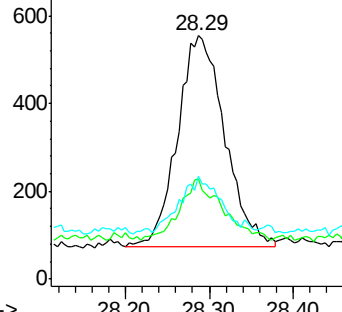
138 42.2 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time--> 28.20 28.30 28.40

